NATURAL SCIENCES & TECHNOLOGY

GRADE 6 TERM 3
Tracker

Week 1											
	CARS Year: Yea				ar:						
CARC Concepts and Activities	CAPS		(Class				(Class	5	
CAPS Concepts and Activities	Page										
	no.	Da	ate (Com	olete	ed	D	ate C	Com	olete	ed
Week 1 Lesson A											
Topic: Electric circuits	57										
Content & Concepts: A simple circuit											
An electric circuit is a system for transferring energy											
transferring energy											
Week 1 Lesson B											
Topic: Electric circuits	57										
Content & Concepts: A simple circuit											
A simple circuit always has the following											
components: o a source of energy (such as a											
cell/battery)											
 conducting material (such as wires) 											
o devices (such as a light bulb,											
buzzers, motors) for changing electricity into a useful output											
energy											
Week 1 Lesson C											
Topic: Electric circuits	57										
Content & Concepts: A simple circuit											
A circuit is a complete, unbroken pathway for electricity											
A switch can be added to break or											
complete the circuit											
Contant & Consonts: Civarit diagrams											
 Content & Concepts: Circuit diagrams Symbols are used when drawing circuit 											
diagrams											
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Symbols are used when drawing circuit													
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Week 2 Lesson B													
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Week 3 Lesson A												
Topic: Electrical conductors and	58											
insulators												
 Content & Concepts: Conductors Some materials conduct electricity and 												
are called conductors												
 Most metals, especially copper, 												
conduct electricity												
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insulators Content & Concepts: Insulators												
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and are called insulators												
Most non-metals, such as plastics,												
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Content & Concepts: Using electric	30												
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• Electric circuits are often used to solve													
problems that require energy, such as													
street lighting, alarms, electric gates, traffic lights, fans and heaters													
Electric circuits can also be used in													
models and toys													
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Topic: Systems to solve problems	58										
Content & Concepts: Using electric											
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Electric circuits are often used to solve problems that require energy, such as											
street lighting, alarms, electric gates,											
traffic lights, fans and heaters											
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CAPS Concepts and Activities	Page												
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Topic: Systems to solve problems	58												
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Electric circuits can also be used in models and toys.													
models and toys													
Week 6 Lesson C													
Topic: Mains electricity	59												
Content & Concepts: Fossil fuels and													
electricityFossil fuels were formed in the Earth's													
crust millions of years ago from dead													
plants and animals													
	Dofloatio												
Year:	Reflectio	Ш											
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work set for the week? If not, how will you get back	on track?												
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Week 7													
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CAPS Concepts and Activities		Class					Class						
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Week 7 Lesson A													
Topic: Mains electricity	59												
Content & Concepts: Fossil fuels and													
electricity													
Coal, oil and natural gas are fossil fuels													
In South Africa coal is mostly used as a													
fuel in power stations													
Week 7 Lesson B	50												
Topic: Mains electricity	59												
Content & Concepts: Fossil fuels and													
electricityCoal was formed from fossilised plants													
which got their energy from the Sun													
originally													
Week 7 Lesson C													
Topic: Mains electricity	59												
Content & Concepts: Fossil fuels and													
electricity													
In a power station coal is used to boil													
water, the steam turns a turbine which													
turns a generator, which produces													
electricity	Poflostic												
Reflection Year:													
Think about and make a note of: What went well? What did not go well? What did the learners find difficult or easy to understand or do?					What will you change next time? Why?								
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Week 8 Lesson A													
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Content & Concepts: Fossil fuels and													
electricity													
• Fossil fuels are non-renewable resources													
Week 8 Lesson B													
Topic: Mains electricity	59												
Content & Concepts: Cost of electricity													
Electricity is costly because:													
 it requires infrastructure including 													
coal mines, transport, power													
stations, pylons, substations, wiring o some electrical appliances require													
more electrical appliances require													
appliances use the most)													
Week 8 Lesson C													
Topic: Mains electricity	59												
Content & Concepts: Cost of electricity													
Electricity is costly because:													
 it requires infrastructure including 													
coal mines, transport, power													
stations, pylons, substations, wiringsome electrical appliances require more													
electricity than others (heating													
appliances use the most)													
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Week 10													
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